pa-

Applicants:

ANDREW D. HIRZEL

JC05 Rec'd PCT/PTO

OFFICE

1 APR 2002

For:

Filed:

VOICE COIL ACTUATOR WITH PROPORTIONAL RESPONSE

Serial No.:

10/048,128

Examiner:

Group Art Unit: 2652

13

Docket No.:

71364-3

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

☑ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, Washington, DC 20231

Signature

Date: HDV1 & 2002

transmitted by facsimile to the Patent and Trademark Office. to Examiner

Andro-Wolter (type or print name of person certifying)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, DC 20231

Sir:

The enclosed references listed on the attached Form PTO-1449 are submitted pursuant to 37 C.F.R. §§ 1.97-1.99 in accordance with Applicant's duty of disclosure as set forth at 37 C.F.R. § 1.56.

This Information Disclosure Statement is submitted within three months of the application filing date.

The submission of the accompanying information is not intended to imply that more pertinent prior disclosures may not exist, nor is it an admission by Applicant that any one or more of the submitted documents form a part of the scope and content of the prior art.

Respectfully submitted,

ANDREW D. HIRZEL

Dated: Thom 2002

Joel E. Bair, Reg. No. 33,356

McGARRY BAIR LLP

171 Monroe Avenue, NW, Suite 600

Grand Rapids, Michigan 49503 Telephone: (616) 742-3500

,,								Sheet	t 1 of 1
Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE					y. Docket Number 71364-3	Serial Number:			
		CITED BY APPLI	CANT	Apr	olicants: Andrew D. H	irzel			
IN AN APPLICATION (Use several sheets if necessary)					ng Date:	Group:			
			U.S.	PAT	TENT DOCUMEN	TS			
*EXAMINER TRIAL		DOCUMENT NUMBER	05/1985 03/1994		NAME	CLASS	SUBCLASS	FILING E	
	AA	4,518,881			Stupak, Jr.				
OIPE	AB	5,296,767			Asselin				
	2 AC	521,269	06/1894		Michl				
APR 1 1 2002	AD AD	4,912,343	03/1990		Stuart				
A PANEMARY	AE	5,065,126	11/1991		Suzuki et al.				
RADEMARK	AF	5,099,158	03/1992 02/1993 08/1994 11/1999		Stuart et al.				
	AG	5,187,398			Stuart et al.				
	AH	5,341,054			Tal et al.				
	AI	5,986,362			Sukagawa et al.				
	AJ								
	AK								
			FOR	EIGN	N PATENT DOCUMEN				
		Document Number	Da	ate	Country	CLASS	SUBCLASS	TRANSI YES	LATION NO
	AL								
	AM								
	AN		<u> </u>						
	AO								
	AP								
		OTHER DOCU	MENTS	3	(Including Author, Tite	le, Date, Pertinent	Pages, Etc.)		
	AR	Core Products Tr	aining]	Manu	nal by The Arnold En	geering Comp	pany. December	1998.	,
	AS	Solenoids, drives and motors, 2 coil latching solenoid, and New Voice Coil Actuators press release pages from Densitron website (www.densitron.com). January 6, 2000.							
	AT	DSI - Servo Elect	troincs nus.edu	"Higl 1.sg/t1	her Bandwidth Actua racks/servo/jproject/h	tor HBX3" fr nigh/hbx3.htm	om website nl. January 6, 200	00.	

DATE CONSIDERED:

Form PTO-1449

EXAMINER

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Patent and Trademark Office - U.S. DEPARTMENT OF COMMERCE